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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/963,772	09/26/2001	Ronald G. Butcher	60,298-397; ST231	1768
26096	7590 01/12/2006		EXAMINER	
CARLSON, GASKEY & OLDS, P.C. 400 WEST MAPLE ROAD			NGUYEN, DANNY	
SUITE 350	APLE KOAD		ART UNIT	PAPER NUMBER
BIRMINGHA	M, MI 48009		2836	
			DATE MAILED: 01/12/2006	6

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
•	09/963,772	BUTCHER ET AL.	
Office Action Summary	Examiner	Art Unit	
	Danny Nguyen	2836	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence address	-
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory peric. - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MOn tute, cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this communical BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 28	· · · · · · · · · · · · · · · · · · ·		
· <u> </u>	his action is non-final.		
3) Since this application is in condition for allow			is
closed in accordance with the practice unde	г <i>Ex рапе Quayle</i> , 1935 С.L	7. 11, 453 O.G. 213.	
Disposition of Claims			
 4) Claim(s) 1,4-10 and 14-18 is/are pending in 4a) Of the above claim(s) is/are withdenset 5) Claim(s) 1,4-9,14-17 is/are allowed. 6) Claim(s) 10 and 18 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and 	rawn from consideration.		
Application Papers			
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction. 11) The oath or declaration is objected to by the	ccepted or b) objected to ne drawing(s) be held in abeyalection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in A riority documents have been eau (PCT Rule 17.2(a)).	Application No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 		s)/Mail Date nformal Patent Application (PTO-152)	
Paper No(s)/Mail Date	6) Other:		

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 10/28/2005 have been fully considered. In view of these arguments, claims 1, 14 are found persuasive, and allowed. Claim 10 is not persuasive.

Regarding claim 10, applicant argued that the combination of Yamada and Culp do not disclose a signaling device which provides a signal external to the compressor housing when the switch is selectively opened. Examiner respectfully disagrees with applicant's arguments. Culp discloses a compressor with protection device (see figure 1 and 7) comprises a signaling device which provides a signal external to the compressor housing when the switch is selectively opened (such as an alarm which is coupled to the terminals 116 and 118 is located outside the compressor to provide an external indication when the normal closed contact of the relay 170 is opened col. 4, lines 24-30). Thus, applicant's arguments do not distinguish over the combination of Yamada and Culp.

Claims 2, 3, 11-13 are cancelled

Claim 18 is added.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 10 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamada et al (USPN 5,690,475) in view of Culp III et al (USPN 5,975,854, hereinafter Culp).

Regarding claim 10, Yamada discloses a scroll compressor (fig. 1 and 4) comprises a pair of scroll elements (3a and 3b) inter-fitting to define compression chambers (9); a drive shaft (5b) driven by an electric motor having a stator (5c) and a rotor (5a), the shaft causing one of the two scroll members to orbit relative to the other; and a motor protector switch (20) mounted in conjunction with a winding of the stator, the motor protector switch including a switch (20f) within the compressor housing which is selectively opened to stop operation of the electric motor (e.g. col. 5, lines 33-53). Yamada does not teach a signaling device as claimed. Culp discloses a compressor (figures 1 and 2) comprises a protection module (86 in figure 7) comprises a signaling device (e.g. the alarm device, col. 4, lines 23-30) which is located outside the compressor housing, wherein the activation of the switch (such as the control relay 170) activates the signaling device (e.g. see col. 6, lines 39-41). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified the protection circuit of Yamada to incorporate the signaling device as disclosed by Culp in order to provide indication problem such that the device is easy taken care (col. 4, lines 25-30).

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Regarding claim 18, Yamada discloses the switch (20f) is in communication with a power source (a power source from terminal 12) and the winding (5d) of the stator (5c).

Allowable Subject Matter

3. Claims 1, 4-9, 14-17 are allowed.

The following is an examiner's statement of reasons for allowance:

Claim 1 recites a compressor assembly comprises a signaling device for signaling the meeting of the predetermined condition to a location outside of the compressor housing wherein activation of the switch activates the signaling device by diverting power to the signaling device from the motor.

Claim 14 recites a compressor assembly comprises a signaling device mounted electrically in parallel to the switch, the signaling device for signaling the meeting of the predetermined condition to a location outside of the compressor housing wherein activation of the switch activates the signaling device by diverting power to the signaling device from the motor wherein current flows to the signaling device when the switch is opened. The references of record do not teach or suggest the aforementioned limitation, nor would it be obvious to modify those references to include such limitation.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (571)-272-2054. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571)-272-2058. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DN

DN 12/28/2005

BRIAN SIRCUS

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